Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-08-11-14** **Date: 04-04-2022**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No.20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer Reference	:	BBMP/EE/YNK.D/EPMT-15/W.O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-04-2022
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	01-04-2022

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	236	236	4.7	95.3	90-100
3	10 mm	2629	2865	57.3	42.7	25-55
4	4.75 mm	1779	4644	92.9	7.1	0-10
5	Pan	356	5000	100	0	_

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2022-08-11-14** **Date: 04-04-2022**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	9.3	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.7	
3	Specific Gravity	2.67	–
4	Bulk Density(Loose) (Kg/l)	1.54	–
5	Bulk Density(Compacted) (Kg/l)	1.58	–
6	Water Absorption(%)	0.22	–
7	Aggregate crushing Value(%)	24.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.5	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

Note:

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Authorized Signatory
Technical Manager

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-08-11-14** **Date: 04-04-2022**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No:20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-15/W.O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	01-04-2022
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	01-04-2022

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	187	187	1.2	98.8	90-100
3	20 mm	7276	7463	49.8	50.2	30-70
4	10 mm	4074	11537	76.9	23.1	10-35
5	4.75 mm	3000	14537	96.9	3.1	0-5
6	Pan	463	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2022-08-11-14** **Date: 04-04-2022**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.8	
3	Specific Gravity	2.68	–
4	Bulk Density(Loose) (Kg/l)	1.53	–
5	Bulk Density(Compacted) (Kg/l)	1.57	–
6	Water Absorption(%)	0.23	–

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Technical Manager

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-08-11-14** **Date: 04-04-2022**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI A KUMAR REDDY, No:20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK D/EPMT-15/W O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-04-2022
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification . IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	02-04-2022
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.54	–
2	Finess by Air permeablity method (m^2/kg,Min)	298.2	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	160 minutes	Not less than 30 minutes
6	Final Setting time	255 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-08-11-14** **Date: 30-04-2022**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No:20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK D/EPMT-15/W.O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-04-2022
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test	:	02-04-2022
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	38.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	59.0N/mm^2	Not less than 53 N/mm^2

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QC ABSTRACT

NAME OF WORK:Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	KERB	Core Compressive strength	One Test		1	1
		Corrected Cylinder Compressive strength	One Test		1	1
		Equivalent Cube Compressive strength	One Test		1	1
7	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	Precast (230mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
9	PCC(M15)	Compressive Strength(7days and 28days)	1 set /1-5 cum	5.52	2	2
10	RCC(M20)	Compressive Strength(7days and 28days)	5 set /31-100 cum	75.82	10	10

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-08-11-14** **Date: 07/06/2022**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No:20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-15/W.O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-06-2022
Customer ID	:	Culvert Bottom Raft
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete C1.5
Date of test	:	07/06/2022

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Culvert Bottom Raft	M20	31/05/2022	07/06/2022	149.73 X 150.05 X 150.71	22467	8.537	417.0	18.6	18.5
2	Culvert Bottom Raft	M20	31/05/2022	07/06/2022	149.42 X 150.55 X 150.34	22495	8.770	409.0	18.2	
3	Culvert Bottom Raft	M20	31/05/2022	07/06/2022	150.39 X 151.61 X 151.82	22801	8.661	426.3	18.7	

* The results obtained are satisfactory as per standard requirements

Note:

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-08-11-14** **Date: 28/06/2022**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No:20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-15/W.O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-06-2022
Customer ID	:	Culvert Bottom Raft
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete C1.5
Date of test	:	28/06/2022

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Culvert Bottom Raft	M20	31/05/2022	28/06/2022	151.02 X 149.46 X 150.47	22571	8.511	526.6	23.3	22.9
2	Culvert Bottom Raft	M20	31/05/2022	28/06/2022	150.20 X 149.93 X 150.50	22520	8.742	499.3	22.2	
3	Culvert Bottom Raft	M20	31/05/2022	28/06/2022	149.94 X 150.85 X 151.46	22618	8.915	526.5	23.3	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 08/06/2022

Lab ID	:	CP-2022-08-11-14
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No:20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK D/EPMT-15/W.O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-06-2022
Customer ID	:	Culvert Side Wall
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete C1.5
Date of test	:	08/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall	M20	01/06/2022	08/06/2022	149.13 X 149.75 X 150.73	22332	8.698	420.6	18.8	18.4
2	Culvert Side Wall	M20	01/06/2022	08/06/2022	150.01 X 149.64 X 151.51	22448	9.052	413.6	18.4	
3	Culvert Side Wall	M20	01/06/2022	08/06/2022	150.89 X 149.88 X 150.98	22615	8.523	408.2	18.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 29/06/2022

Lab ID	:	CP-2022-08-11-14
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in and No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No:20/1, 1st Main, 4th Cross, Manorayana Palya, R. Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-15/W.O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-06-2022
Customer ID	:	Culvert Side Wall
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete CLS
Date of test	:	29/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall	M20	01/06/2022	29/06/2022	151.14 X 150.97 X 150.58	22817	8.371	526.1	23.1	23.0
2	Culvert Side Wall	M20	01/06/2022	29/06/2022	149.30 X 149.88 X 150.12	22377	8.944	512.1	22.9	
3	Culvert Side Wall	M20	01/06/2022	29/06/2022	150.44 X 151.58 X 149.64	22803	8.213	526.0	23.1	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2022-08-11-14
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No:20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-15/W.O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	31-05-2022
Customer ID	:	Drain Side Wall
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	26/06/2022

Date: 27/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall	M20	29/05/2022	26/06/2022	149.42 X 151.74 X 151.52	22673	8.151	540.3	23.8	23.2
2	Drain Side Wall	M20	29/05/2022	26/06/2022	150.26 X 149.25 X 151.17	22426	8.898	506.8	22.6	
3	Drain Side Wall	M20	29/05/2022	26/06/2022	151.68 X 150.08 X 149.88	22764	8.985	525.9	23.1	

* The results obtained are satisfactory as per standard requirements.

Note:
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R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-08-11-14** **Date: 06/06/2022**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No.20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK D/EPMT-15/W O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-06-2022
Customer ID	:	Drain Coping
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	06/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Coping	M20	30/05/2022	06/06/2022	150.01 X 151.18 X 150.59	22678	8.865	411.5	18.1	18.5
2	Drain Coping	M20	30/05/2022	06/06/2022	151.70 X 150.27 X 151.28	22796	8.483	423.6	18.6	
3	Drain Coping	M20	30/05/2022	06/06/2022	149.22 X 149.00 X 150.53	22234	8.927	416.6	18.7	

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Technical Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2022-08-11-14** **Date: 11-04-2022**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No:20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK D/EPMT-15/W.O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-04-2022
Sample Type /Size	:	Precast Cover Slab (230 mm Thick)
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete
Date of test	:	07/04/2022

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	200.32	230.52	2.356	31511	680.5	21.6	20.1	25.1
2	Cover Slab-2	200.42	230.63	2.458	31542	695.5	22.0	20.5	25.6
3	Cover Slab-3	200.63	230.71	2.578	31608	715.5	22.6	21.1	26.3

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ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬೆಂಗಳೂರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-10

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Technical Manager

Page 1/1
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TEST REPORT OF CEMENT CONCRETE KERB STONE

Lab ID	:	**CP-2022-08-11-14**	**Date: 11-04-2022**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.	
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.	
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division	
Agency	:	SRI. A KUMAR REDDY, No:20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032	
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-15/W.O/149/2021-22	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	07-04-2022	
Sample Type /Size	:	CC Kerb Stone/ 450*165*400mm	
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete	
Date of test	:	07/04/2022	

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
1	A	100.03	165.59	2.859	7857	150.2	19.1	19.1	23.9
2	B	100.05	165.48	2.756	7860	165.4	21.0	21.0	26.3
3	C	100.04	165.62	2.915	7859	172.3	21.9	21.9	27.4

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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2022-08-11-14** **Date: 11-04-2022**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads and Drains at Chikkabommasandra Cross Roads in Ward No. 04 Yelahanka New Town Sub Division
Agency	:	SRI. A KUMAR REDDY, No.20/1, 1st Main, 4th Cross, Manorayana Palya, R T Nagar, Bangalore-560032
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-15/W.O/149/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-04-2022
Sample Type /Size	:	Precast Cover Slab (100 mm Thick)
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete
Date of test	:	07/04/2022

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.62	100.52	1.156	4490	80.9	18.0	16.8	20.9
2	Cover Slab-2	75.72	100.63	1.148	4502	82.3	18.3	17.0	21.3
3	Cover Slab-3	75.81	100.72	1.162	4513	81.5	18.1	16.8	21.0

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2022-08-11-14** **Date: 04-04-2022**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.49	–
2	Specific Gravity	2.58	–
3	Material finer than 75 micron(%)	6.8	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

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